

LISTING OF THE CLAIMS

1. (currently amended) A coextrusion tie, which comprises:

- 5 to 35% by weight of a polymer (A) itself composed of a blend of 80 to 20% by weight of a metallocene polyethylene (A1) with a density of between 0.863 and 0.915 and of 20 to 80% by weight of a non-metallocene LLDPE polyethylene (A2) with a density of between 0.900 and 0.950, the blend of polymers (A1) and (A2) being cografted by a grafting monomer chosen from unsaturated carboxylic acids and their derivatives, the content of the grafting monomer in said blend being between 30 and 100 000 ppm, ~~preferably between 600 and 5 000 ppm~~;
- 95 to 65% by weight of metallocene polyethylene (B) homo- or copolymer, the comonomer of which comprises 3 to 20 carbon atoms, the density of which is between 0.863 and 0.915 and the MFI, melt flow index, of which, measured under 2.16 kg at 190°C according to Standard ASTM D 1238, is between 0.5 and 30, g/10 min;

the total forming 100%, the blend of (A) and (B) being such that its MFI is between 0.1 and 15, g/10 min, and wherein the adhesive strength of said coextrusion tie is increased by 5 to 50% between the time t=0 corresponding to its application immediately after its extrusion and the time t=8 days.

2. (cancelled)

3. (original) The tie as claimed in claim 1, wherein the grafting monomer is maleic anhydride.

4. (original) The tie as claimed in claim 1, which additionally comprises an ethylene/alkyl (meth)acrylate copolymer (C).

5. (original) The tie as claimed in claim 1, wherein the MFI of A is between 0.1 and 5 g/10 min (ASTM D 1238 at 190°C under 2.16 kg).

6. (currently amended) A multilayer structure, which comprises a coextrusion tie layer

(L) comprising ~~the tie of any one of the preceding claims~~

- 5 to 35% by weight of a polymer (A) itself composed of a blend of 80 to 20% by weight of a metallocene polyethylene (A1) with a density of between 0.863 and 0.915 and of 20 to 80% by weight of a non-metallocene LLDPE polyethylene (A2) with a density of between 0.900 and 0.950, the blend of polymers (A1) and (A2) being cografted by a grafting monomer chosen from unsaturated carboxylic acids and their derivatives, the content of the grafting monomer in said blend being between 30 and 100 000 ppm, preferably between 600 and 5 000 ppm;
- 95 to 65% by weight of metallocene polyethylene (B) homo- or copolymer, the comonomer of which comprises 3 to 20 carbon atoms, the density of which is between 0.863 and 0.915 and the MFI, melt flow index, of which, measured under 2.16 kg at 190°C according to Standard ASTM D 1238, is between 0.5 and 30, g/10 min;

the total forming 100%, the blend of (A) and (B) being such that its MFI is between 0.1 and 15, g/10 min, and wherein the adhesive strength of said coextrusion tie is increased by 5 to 50% between the time t=0 corresponding to its application immediately after its extrusion and the time t=8 days.

and a layer (E) directly attached to one of the two faces of said layer (L), said layer (E) being a polyolefin or polyester layer.

7. (original) The multilayer structure as claimed in claim 6, wherein a layer (F) is directly attached to the second face of the layer (L), the layer (L) being sandwiched between the layers (E) and (F), said layer (F) being either a polymer layer, the polymer being chosen from the group of the polyamides, saponified copolymers of ethylene and of vinyl acetate (EVOH), polyolefins and polyesters, or a metal layer.
8. (original) The multilayer structure as claimed in claim 7, wherein the layer (E) is a polyester copolymer layer and the layer (F) is an EVOH layer.
9. (original) An object, which comprises a structure as claimed in claim 6.

10. (previously presented) The object as claimed in claim 9, which is a bag, a bottle, a container, a film, a sheet, a pipe or a hose.
11. (canceled)
12. (previously presented) The coextrusion tie of claim 1 wherein said metallocene polyethylene (B) copolymer comonomer comprises 4 to 8 carbon atoms.
13. (previously presented) The coextrusion tie of claim 1 wherein said metallocene polyethylene (B) has an MFI, melt flow index, of which, measured under 2.16 kg at 190°C according to Standard ASTM D 1238, is between 3 and 15, g/10 min.
14. (previously presented) The coextrusion tie of claim 1 wherein the blend of (A) and (B) being such that its MFI is between 1 and 13 g/10 min.
15. (new) The co-extrusion tie of claim 1, wherein the content of the grafting monomer in said polymer blend (A) is between 600 and 5 000 ppm